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**CII National Award for Excellence in Energy Management 2023**

**GUIDANCE & SUGGESTIONS FOR FILLING**

**BENCHMARKING PART OF QUESTIONNAIRE**

**Objective:**  Benchmarking is an important tool to establish how one is performing and what avenues can be adopted to achieve the highest level in energy efficiency. It is also an enabler for recognizing one of the country’s most energy-efficient industrial plant/establishment.

The objective of this evaluation criteria is to assess the extent to which an applicant plant is exploring its SEC performance at the three basic levels viz.  group/company level (with similar product manufacturing plants), at the national level (within the same sector) and International level.

1. **Group /Company level:** There may be several units in a group/company producing the same outputs and data from this source can be easily extracted / obtained by the applicant plant. Therefore, benchmarking of its performance with the sister plants at group/company level would provide valuable information to enhance the applicant plant’s performance. Through this method, various details can be obtained from their respective plants to compare the performance at various production levels, for example: SEC at raw material handling, preparation, processing, final product delivery etc.

As a part of continuous improvement, in some sectors like pharmaceutical, railways, defence etc., wherein no sector specific national/international benchmark figures are readily available, they may like to compare their current SEC performance with the average of the preceding years’ SEC performance.

For Automobile and Engineering sector, process-based benchmarking can also be presented for various sections / operations such as press shop, heat treatment, foundry, forging, utilities, surface coating & painting and assembly section by using the data available at the Group / company level. Comparison of plant current performance figures with such statistics can also lead to improvement in the overall performance. For components outsourced or procured from supply chain, a good practice would be to present SEC of such components at their suppliers and proactive efforts taken up by applicants by working closely with their vendors in reducing the same.

1. **National Level:** Benchmarking data may be available at various sources, which may include sector-specific industry association reports, sustainability reports, company’s annual reports, PAT Gazette notification (available at BEE website), CII awards, BEE National Energy Conservation Awards, State Energy Conservation Awards etc.

The best recorded specific energy consumption figures/numbers presented at CII Energy Efficiency Award programs are attached for your reference.  These are to be considered as national benchmarks if the company does not have any other credible benchmark values lower than the ones mentioned in the document.

1. **International level:** Data can be obtained from various sector-specific international associations, companies’ annual reports and sustainability reports and published papers.

**Brief description of the action plan to achieve national/global best SEC**

In this section, the applicant plant should include short/medium/long term action plans (with targets) for the next three years with a vision to initiate various activities to achieve national/global benchmarks. Also, action plan can have monitoring mechanisms in place in order to avoid slippage of countermeasures implementation.

**Please mention the sources/references for the furnished data (National/International Data)**

The source of national/international benchmark data should be specified in this section with appropriate references/links.